#### **OWNER'S AUTHORIZATION**

I, James William Woods, Owner/Applicant of 1 Walton Aly, Tax Map 103/Lot27, hereby authorize McHenry Architecture, PLLC to represent me before any and all City of Portsmouth Representatives, Boards and Commission for permitting this project.

Respectfully,

Date: 15th August 2022

dis

James William Woods

# WALTON ALLEY ADDITION AND GARAGE

HISTORIC DISTRICT COMMISSION PUBLIC HEARING - SEPTEMBER 2022, PORTSMOUTH, NEW HAMPSHIRE

**GENERAL PROJECT DESCRIPTION:** 

#### PROPOSED WORK:

AS PART OF A COMPREHENSIVE OVERALL RENOVATION PROJECT, JAMES WOODS AND ANNEKE MEINARDI ("WOODS") INTEND TO CONSTRUCT A 8' X 14' ADDITION TO THE REAR OF THE EXISTING HOME. THE FIRST FLOOR WILL HOLD A POWDER ROOM AND MUDROOM, WITH A FULL BATH ON THE 2ND FLOOR. THE EXISTING GRAVEL DRIVEWAY WILL BE LENGTHENED AND COPOSED OF COBBLESTONE/ RIVERSTONE, LEADING TO A NEW 12' X 18' DETACHED ONE-STORY GARAGE WITH RELATED LANDSCAPING IMPROVEMENTS LOCATED NEXT TO AN EXISTING 6 FOOT STOCKADE FENCE, WHICH WILL BE REPLACED WITH A NEW FENCE. WINDOWS AND A DOOR WILL BE PLACED IN THE LEFT WALL OF THE GARAGE. NO WINDOWS OR DOORS WILL BE LOCATED ON THE RIGHT SIDE OR REAR. THE EXPOSED CONCRETE FOUNDATION OF THE GARAGE WILL BE COVERED WITH A NATURAL STONE VENEER, IMPROVING IT ASTHETICALLY AND MORE IN KEEPING WITH THE LOOK OF HISTORICAL FOUNDATIONS. WHILE THE REAR ADDITION TO THE HOME IS COMPLETELY COMPLIANT. THE GARAGE REQUIRES RELEIF FROM SIDE AND REAR YARD SETBACK REQUIREMENTS.

ASIDE FROM THE ADDITION AND GARAGE. THE COMPREHENSIVE RENNOVATION PROJECT INCLUDES:

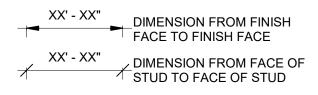
- REPAIR AND REPLACE THE EXISTING WOOD CLAPBOARD SIDING.
- RESTORE AND REPLACE THE EXISTING WOOD DOUBLE HUNG WINDOWS.
- REMOVE EXISTING SKYLIGHTS ON THE HOUSE ROOF.
- REPLACE EXISTING ASPHALT SHINGLES WITH CEDAR SHINGLES.
- RENOVATE HOME, EXTEND DRIVEWAY WITH COBBLE STRIPS / CENTERED RIVERSTONE.
- CLEAN UP/ LANDSCAPE THE GROUNDS.

**1 WALTON ALLEY** PORTSMOUTH, NH 03801

#### **GRAPHIC KEY**

: EXISTING [ ] : TO BE REMOVED [ ] : PROPOSED
101 - DOOR NUMBER
LT-# LIGHT FIXTURE TAG

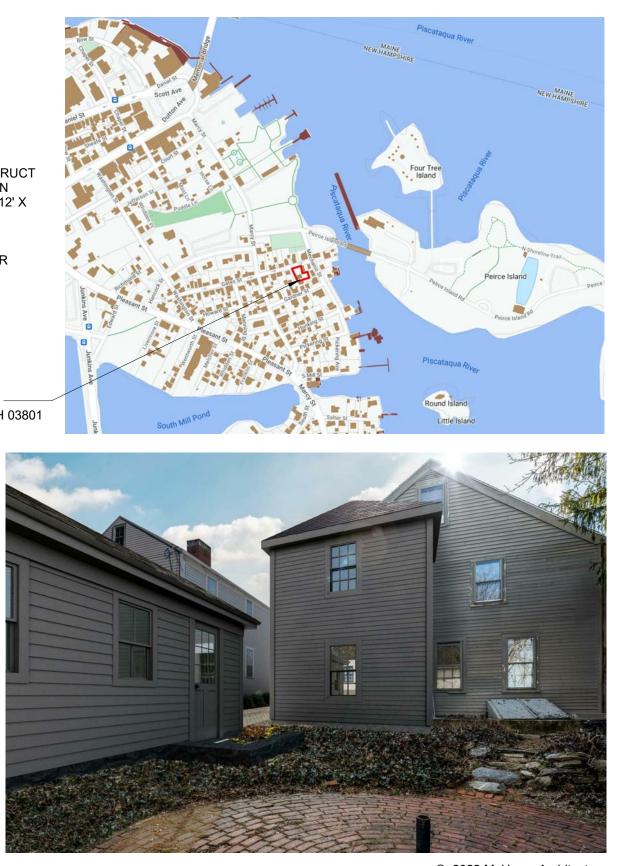
#### DIMENSION KEY



WALTON ADDITION **1 WALTON ALLEY** 

PORTSMOUTH, NH 03801

	SHEET LIST
Sheet Number	Sheet Name
A1	EXISTING PHOTOGRAPHS
A2	PROPOSED SITE PLAN
A3	PROPOSED ELEVATIONS
A4	ADDITION PLANS
A5	GARAGE PLANS
A6	GARAGE ELEVATION
A7	GARAGE ELEVATION
A8	GARAGE ELEVATION
A9	RENDERED VIEWS
A10	TYP PROFILES
A11	WINDOW AND DOOR SCHEDULE
A12	PRODUCT DATA



# McHENRY ARCHITECTURE COVER

HDC PUBLIC HEARING

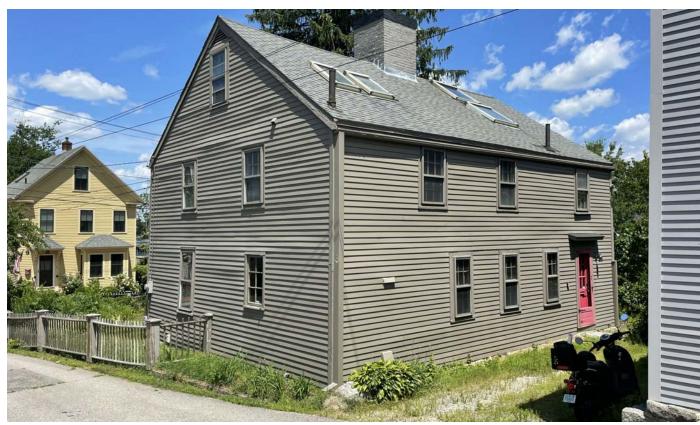
Portsmouth, New Hampshire

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4 Market Street



08/17/2022 McHA: RD / MG /JD NOT TO SCALE



EXISTING PHOTOGRAPH FROM WALTON ALLEY







EXISTING PHOTOGRAPH FROM BACK YARD

WALTON ADDITION **1 WALTON ALLEY** 

PORTSMOUTH, NH 03801

**EXISTING PHOTOGRAPHS** 

McHENRY ARCHITECTURE 4 Market Street

HDC PUBLIC HEARING

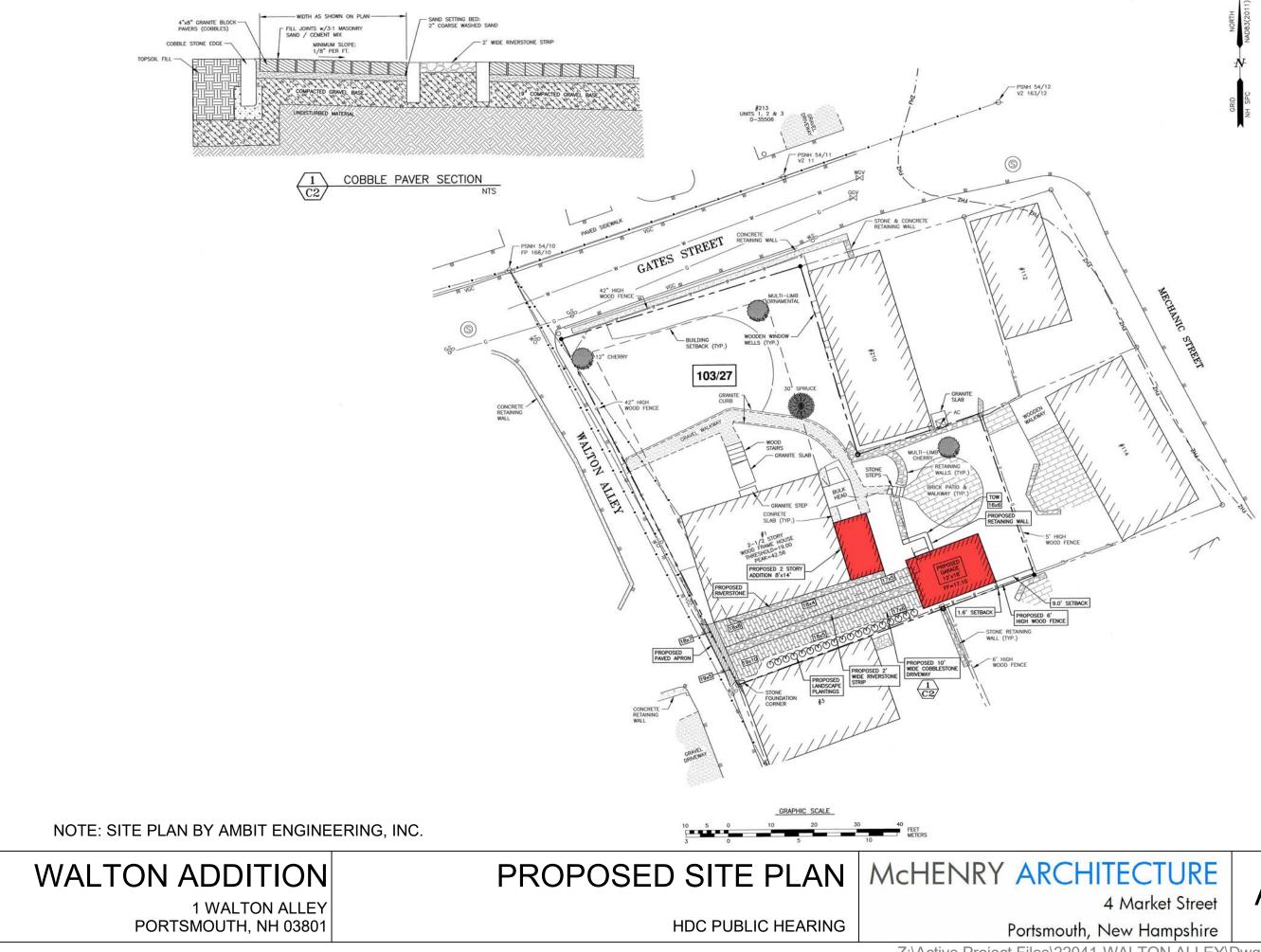
Portsmouth, New Hampshire

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A1

08/17/2022 McHA: RD / MG / JD NOT TO SCALE

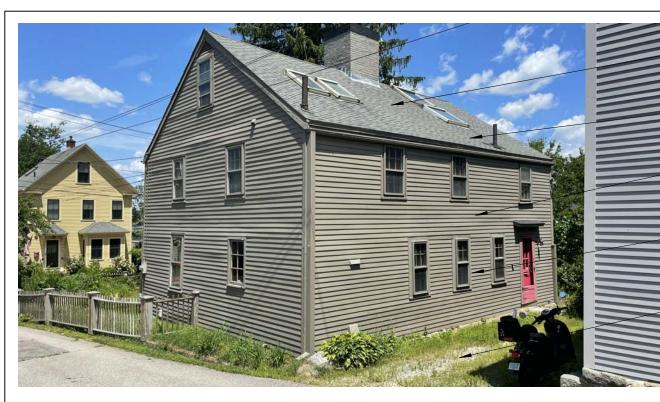


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A2

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**REPLACE EXISTING** ASPHAULT SHINGLES WITH EASTERN WHITE CEDAR SHINGLES.

**REMOVE AND INFILL** EXISTING SKYLIGHTS ON THE ROOF.

REPAIR AND REPLACE WOOD CLAPBOARD SIDING.

RESTORE OR REPLACE WOOD DOUBLE HUNG WINDOWS.

EXTEND DRIVEWAY WITH COBBLE STRIPS / CENTERED RIVERSTONE, SEE CIVIL PLAN



#### EXISTING PHOTOGRAPH FROM GATES STREET

EXISTING PHOTOGRAPH FROM WALTON ALLEY



RENDERED VIEW OF BACK YARD

WALTON ADDITION **1 WALTON ALLEY** PORTSMOUTH, NH 03801

PROPOSED ELEVATIONS

McHENRY ARCHITECTURE

HDC PUBLIC HEARING

Portsmouth, New Hampshire

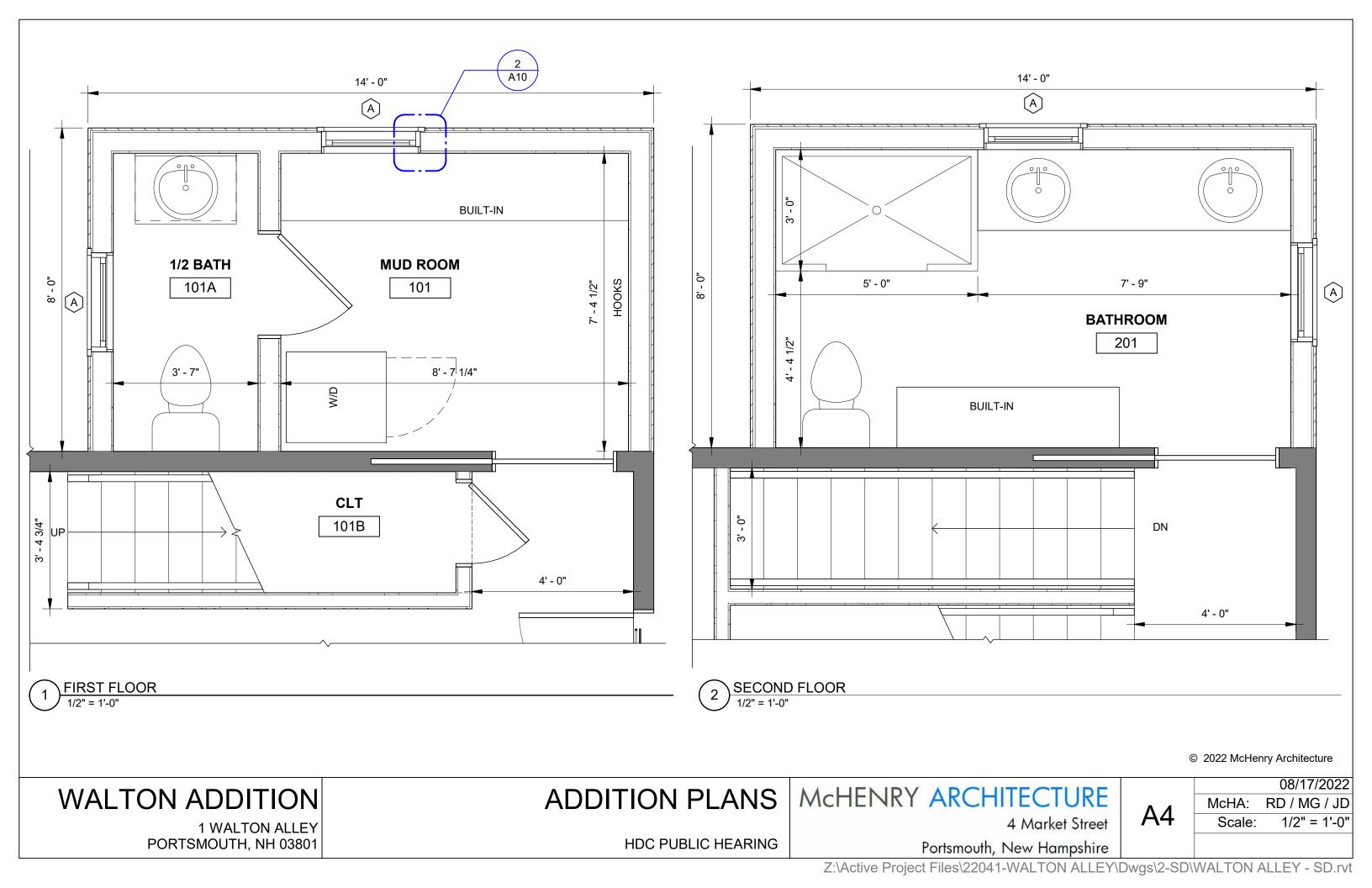
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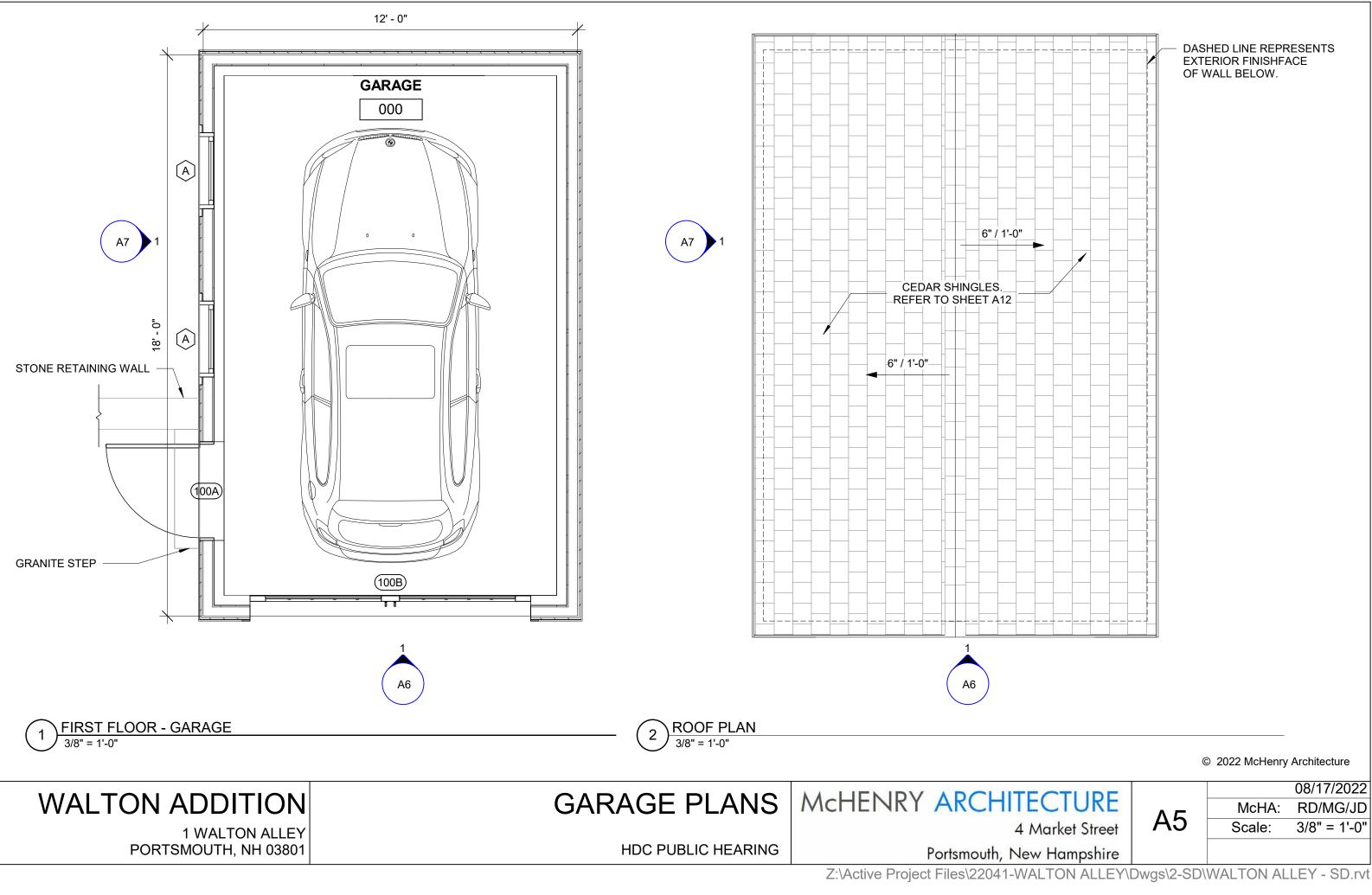
© 2022 McHenry Architecture

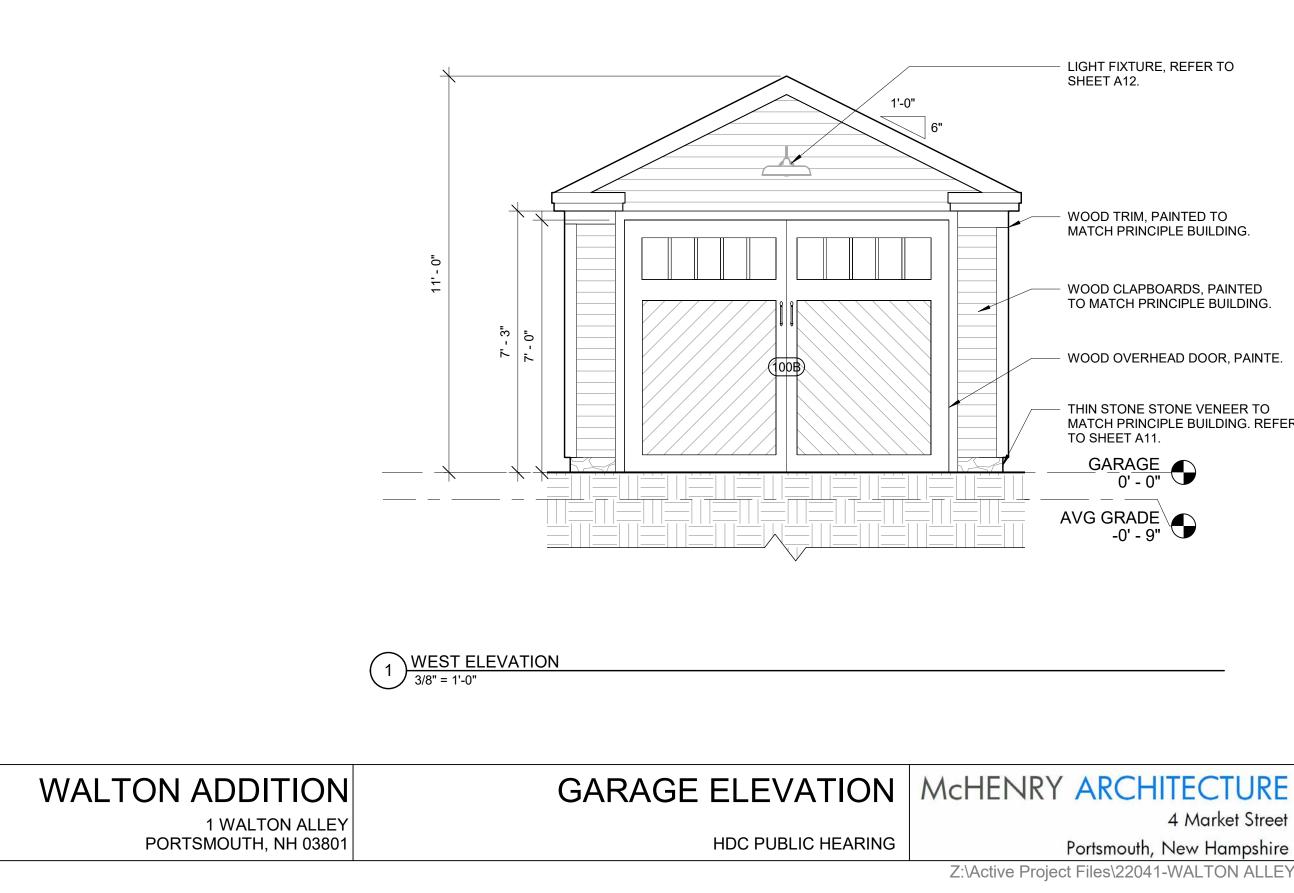
4 Market Street

A3

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WOOD OVERHEAD DOOR, PAINTE.

MATCH PRINCIPLE BUILDING. REFER



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08/17/2022 McHA: RD/MG/JD A6 4 Market Street Scale: 3/8" = 1'-0" Portsmouth, New Hampshire





WALTON ADDITION

1 WALTON ALLEY PORTSMOUTH, NH 03801 GARAGE ELEVATION

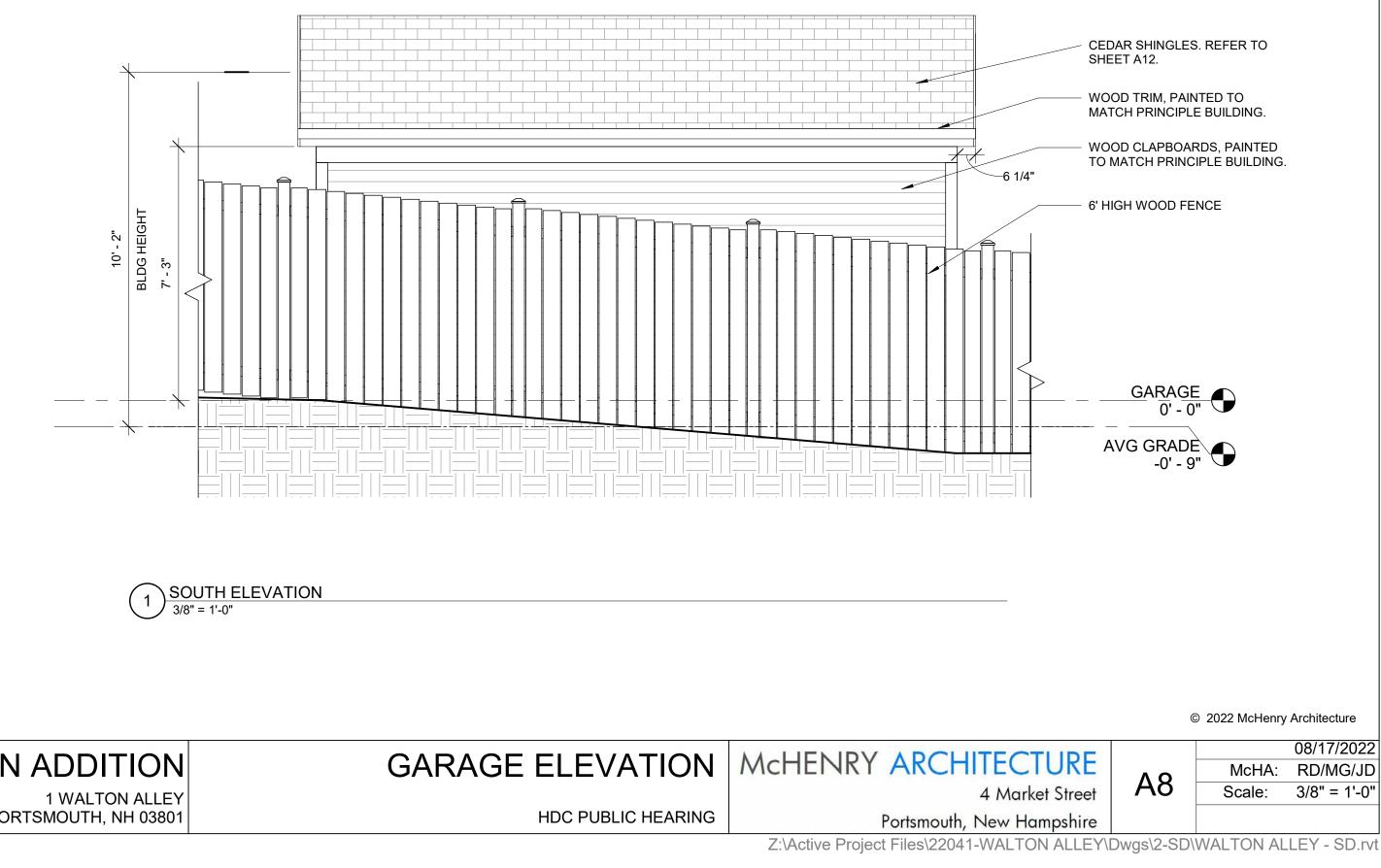
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HDC PUBLIC HEARING

Portsmouth, N

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CEDAR SHINGLE	S. REFER TO S	SHEET A12	
WOOD CLAPBOA TO MATCH PRINC			
STONE RETAININ	G WALL.		
—— GRANITE STEP.			
— THIN STONE STO MATCH PRINCIPL TO SHEET A11.			
	G <u>E</u> - 0"		
AVG GRA	- 9"		
	(0	2022 McHenry	
TECTURE		McHA:	08/17/2022 RD/MG/JD
4 Market Street	A7	Scale:	3/8" = 1'-0"
New Hampshire			
-WALTON ALLEY	Dwgs\2-SD\	WALTON AL	LEY - SD.rvt







HDC PUBLIC HEARING

**1 WALTON ALLEY** 

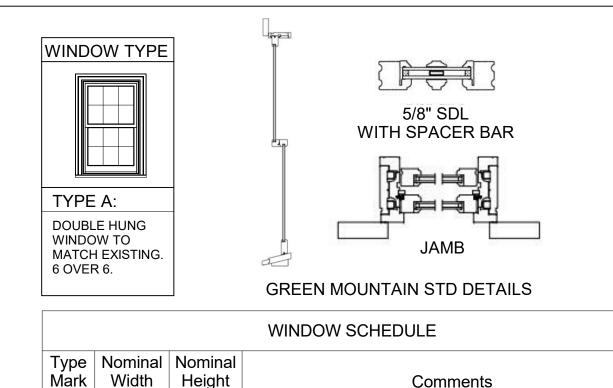
PORTSMOUTH, NH 03801

Portsmouth, New Hampshire

# 4 Market Street

A9

McHA: RD / MG / JD NOT TO SCALE



Α	2' - 6"	4' - 0"	GREEN MOUNTAIN (VIF - MATCH EXISTING), TRIM
			TO REMAIN, REPAIR AND REPLACE IN KIND.

#### WINDOW RESTORATION/REPLACEMENT OPTIONS

- 1. RESTORE EXISTING WOOD DOUBLE HUNG WINDOWS ON THE GATES STREET & WALTON ALLEY FACADES. **REPLACE REMAINING WINDOWS WITH GREEN** MOUNTAIN WINDOWS.
- 2. REPLACE ALL DOUBLE HUNG WINDOWS WITH GREEN MOUNTAIN WINDOWS. INSULATED GLASS AND HALF-SCREENS

DOOR TYPES	
TYPE A:	TYPE B:
HALF LITE TWO PANEL WOOD DOOR.	CUSTOM WOOD GARAGE DOOR, PAINTED.

				DOOF	R SCHE
	Siz	ze		Door	
Mark	Height	Width	Type Mark	Material	Finis
100B	7' - 0"	9' - 0"	В	WOOD	PAINT



**REPLACMENT STORM WINDOWS** 

ALUMINUM STORM WINDOW SCREEN

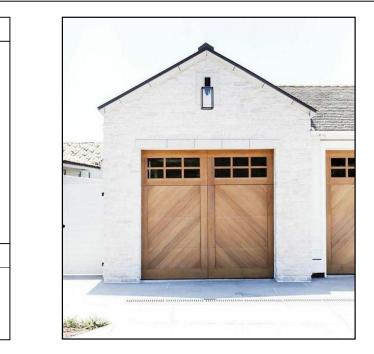
McHENRY ARCHITECTURE WALTON ADDITION WINDOW AND DOOR SCHEDULE **1 WALTON ALLEY** 

PORTSMOUTH, NH 03801

HDC PUBLIC HEARING

Portsmouth, New Hampshire

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#### IMAGE OF SIMILAR DOOR

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sh	Comments
511	Commenta
511	Commenta

ALLIED, HOL-OP - OPERATING HISTORIC ONE LITE -TOP IS FIXED WITH BOTTOM SLIDING STORM AND HALF

-TO BE FITTED ON EXISTING RESTORED WINDOWS.

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A11 4 Market Street

08/17/2022 McHA: RD / MG / JD NOT TO SCALE

#### Gooseneck Barn Light Warehouse Outdoor Wall Sconce - B-1 Arm By Hi-Lite

Gooseneck Barn Light Warehouse Outdoor Wall Sconce - B-1 Arm By Hi-Lite

**Product Options** 

Size: 17 Inch, Finish: Black

#### Details

Material: Metal UL Listed Wet Made In USA

#### Dimensions

17 Inch Option Arm: Length 14.5", Height 6", Thickness 0.5" 17 Inch Option Canopy: Diameter 4.75" 17 Inch Option Fixture: Height 11", Diameter 17"

#### Lighting

Lamp Type	Incandescent
Total Lumens	2850.0
# of Bulbs	1 (Not Included)
Bulb Type	200W A23 E26
Volts	120
Color Temp	2700 (Warm)
Average Lifespan	2500.00
CRI	100
Equivalent Halogen, CFL or LED Bulb Can Be Used	Yes



LUMENS

Call Us (877) 445-4486

Prepared Prepared for: Project: by: Room: Placement Approval:

×



EASTERN WHITE CEDAR SHINGLES EXAMPLE

#### POTENTIAL STONE VENEER OPTIONS



CULTURED STONE: DRESSED FIELDSTONE



PRODUCT DATA MCHENRY ARCHITECTURE 4 Market Street

HDC PUBLIC HEARING

Portsmouth, New Hampshire

Notes:

Additional Details

Product URL: https://www.lumens.com/gooseneck-barn-light-wareho use-outdoor-wall-sconce---b-1-arm-by-hi-lite-

HILY1455601269.html

Rating: UL Listed Wet

ITEM#: HILY1455601269

Created August 3rd, 2022





AGED EASTERN WHITE CEDAR SHINGLES EXAMPLE

ELDORADO STONE: CYPRESS RIDGE

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A12

McHA: RD / MG / JD NOT TO SCALE

08/17/2022



#### Green Mountain Window and Door Co.

#### Unit Specifications

#### Frame:

- Pine wood interior and exterior standard. Options include South American Mahogany, Philippine Mahogany (Marenti), Douglas Fir, Western Red Cedar, Teak, or other. Optional species can be specified for specific parts only (sill, sill nose, casing, etc.)
- ➢ Frame width: 4 9/16"
- ➢ Frame thickness: 5/8"
- Sill: 14 degree bevel, 1" standard sill nose. Optional 2" "historic" sill nose
- > Pine exterior parts are dipped in a water repellent preservative.

#### Sash:

- Pine wood interior and exterior standard. Options include South American Mahogany, Philippine Mahogany (Marenti), Douglas Fir, Western Red Cedar, Teak, or other.
- Check rail thickness: 1 5/8"
- Stile and top & bottom rail thickness: 1 1/4"
- > Operating sash tilt in for easy cleaning. The top sash of reverse cottage windows can not be tilted in.
- > Pine exterior parts are dipped in a water repellent preservative.

#### Interior and exterior finish:

- > Bare wood interior white primed exterior standard
- > Pre-finished exterior options. See your Green Mountain Window Representative for colors and availability.

#### Hardware:

- Standard sash lock and keeper: Truth cam lock in Bronze. Option finish: white.
- Upgraded sash lock and keeper: Colonial cam lock in Oil Rubbed Bronze, Nickel, Polished Chrome or Brass. Arts & Crafts pivot lock available in Brass only.
- > Sash lift: Truth sash lift in Bronze. Option: finish to match lock choice.
- Balance system: block and tackle balance

#### Weatherstrip:

- Foam filled bulb on weatherstrip on top rail, bottom rail, and side jambs. Jamb weatherstrip is light beige.
- > Leaf weatherstrip on head parting stop.

#### Jamb extension:

- > Applied jamb extension available to match virtually any wall thickness
- Standard thickness: 21/32"

#### **Insect Screens:**

- Aluminum framed full screen with charcoal fiberglass mesh screening standard. Optional surround colors: Dark Bronze, Tan or Green. Optional mesh: charcoal aluminum, bright aluminum, or Gore Enlighten high visibility.
- > Optional wood screen: full or half screens with charcoal fiberglass mesh screening. Species and finish to match window.
- Optional mesh: charcoal aluminum, bright aluminum, bright bronze, or Gore Enlighten high visibility.

#### <u>Glass:</u>

- Double strength glass sealed with Gray Duraseal warm edge spacer. Standard overall glass thickness on wood exterior units is ½" with wood exterior glazing bead. Optional 11/16" glass thickness with white vinyl exterior glazing bead.
- > Glazing method: silicone wet seal interior and exterior
- Glazing types: single glass, insulating glass
- > Option for black Duraseal warm edge spacer
- > Standard insulating glass options include: (see NFRC ratings for performance comparison)
- 1/2" regular insulating glass
  - 1/2" Low E with Argon gas fill
  - 1/2" Low E with Krypton gas fill
  - 11/16" regular insulating glass (white vinyl glazing bead on exterior)
    11/16" Low E with Argon (white vinyl glazing bead on exterior)
- Other glass options: tempered, laminated, obscure, mouth blown restoration (wavy), tinted, UL rated, any specified

#### **Optional Divided Lites:**

- Options include: 5/8" white flat airspace grille, 5/8" white profiled airspace grille, 7/8" removable stick grille (interior only), 7/8" removable full surround grille (interior only), 5/8" true divided lite (single glass only), 5/8" simulated divided lite (SDL) with or without spacer bar, 7/8" SDL with our without a spacer and 1 1/4" SDL with our without a spacer bar. Gray SDL spacer is standard with gray SDL tape. Optional black spacer and tape is used when black glass spacer option is chosen.
- > See "section details: divided lites for muntin profiles" for standard cuts. Custom configurations are available

### Green Mountain Window and Door Co.

NFRC Values						
Glazing Type and Thickness	U-Factor	CR- Value	SHGC	VT	R-Value	1997 A. S. M. F. M. F. M.
Single Glass	.86	12	.63	.66	1.16	
Single Glass with TDL	.86	12	.57	.58	1.16	
Single Glass with TDL and Ext. EP	.47	44	.50	.53	2.13	
Single Glass with TDL and Ext. Low E EP	.40	32	.44	.49	2.50	
Single Glass with TDL and Int. EP	.46	45	.50	.53	2.17	
Single Glass with TDL and Int. Low E EP	.37	32	.44	.49	2.70	
Single Glass with TDL and Storm	.43	-	.50	.53	2.33	
Single Glass with TDL and Low E Storm	.32	-	.43	.49	3.13	
Single Glass with TDL and Laminated Storm	.42	-	.43	.52	2.38	~~~~~~
Single Glass with TDL, Ext. EP and Storm	.30	-	.45	.48	3.33	:
Single Glass with TDL, Ext. EP and Low E Storm	.25		.39	.44	4.00	
Single Glass with TDL, Ext. Low E EP and Storm	.25	-	.40	.44	4.00	
Single Glass with TDL, Ext. Low E EP and Low E Storm	.21	-	.36	.41	4.76	
Single Glass with TDL, Int. EP and Storm	.30	-	.45	.48	3.33	
Single Glass with TDL, Int. EP and Low E Storm	.24	-	.39	.44	4.17	
Single Glass with TDL, Int. Low E EP and Storm	.25	-	.40	.44	4.00	
Single Glass with TDL, Int. Low E EP and Low E Storm	.21	-	.36	.41	4.76	
	1/2" G	lass Thick	ness	d		
1/2" Clear Insulated	.50	42	.56	.60	2.00	
1/2" Clear Insulated with SDL	.50	42	.50	.53	2.00	
1/2" Clear Insulated with SDL and Spacer	.52	40	.50	.53	1.92	
1/2" Low E / Argon	.35	52	.48	.55	2.70	
1/2" Low E / Argon with SDL	.35	52	.43	.49	2.70	
1/2" Low E / Argon with SDL and Spacer	.37	52	.43	.49	2.50	
1/2" Low E / Krypton	.28	57	.43	.49	3.13	
1/2" Low E / Krypton with SDL	.28	57	.43	.49	3.13	- 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10
1/2" Low E / Krypton with SDL and Spacer	.30	57	.43	.49	2.94	
1/2" Low E / Argon with Storm	.26	-	.45	.50	3.85	
1/2" Low E / Argon with SDL and Storm	.26	-	.40	.44	3.85	-
1/2" Low E / Argon with SDL, Spacer and Storm	.27	-	.40	.44	3.70	
1/2" Low E / Krypton with Storm	.23	-	.44	.50	4.35	
1/2" Low E / Krypton with SDL and Storm	.23	-	.39	.44	4.35	
1/2" Low E / Krypton with SDL, Spacer and Storm	.24	-	.39	.44	4.17	

NFRC Values, cont'd						
Glazing Type and Thickness	U-Factor	CR- Value	SHGC	νт	R-Value	
1/2" Low E / Argon with Low E Storm	.22	-	.41	.46	4.55	
1/2" Low E / Argon with SDL and Low E Storm	.22	-	.36	.41	4.55	
1/2" Low E / Argon with SDL, Spacer and Low E Storm	.23	-	.36	.41	4.35	
1/2" Low E / Krypton with Low E Storm	.19	-	.40	.46	5.26	
1/2" Low E / Krypton with SDL and Low E Storm	.19	*	.36	.41	5.26	
1/2" Low E / Krypton with SDL, Spacer and Low E Storm	.20	-	.36	.41	5.00	
1/2" Low E / Argon with Low E Laminated Storm	.21	-	.36	.45	4.76	
1/2" Low E / Argon with SDL and Low E Laminated Storm	.21	-	.33	.40	4.76	
1/2" Low E / Argon with SDL, Spacer and Low E Laminated Storm	.22	1	.33	.40	4.55	
1/2" Low E / Krypton with Low E Laminated Storm	.19	-	.36	.45	5.26	
1/2" Low E / Krypton with SDL and Low E Laminated Storm	.19		.32	.40	5.26	
1/2" Low E / Krypton with SDL, Spacer and Low E Laminated Storm	.20	-	.32	.40	5.00	
	11/16" C	Glass Thic	kness			
11/16" Insulated Glass	.46	43	.56	.60	2.17	
11/16" Insulated Glass with SDL	.46	43	.50	.53	2.17	
11/16" Insulated Glass with SDL and Spacer	.46	43	.50	.53	2.17	
11/16" Low E Glass with Argon	.32	55	.48	.55	3.13	
11/16" Low E Glass with Argon and SDL	.32	55	.43	.49	3.13	
11/16" Low E Glass with Argon, SDL and Spacer	.33	55	.43	.49	3.03	

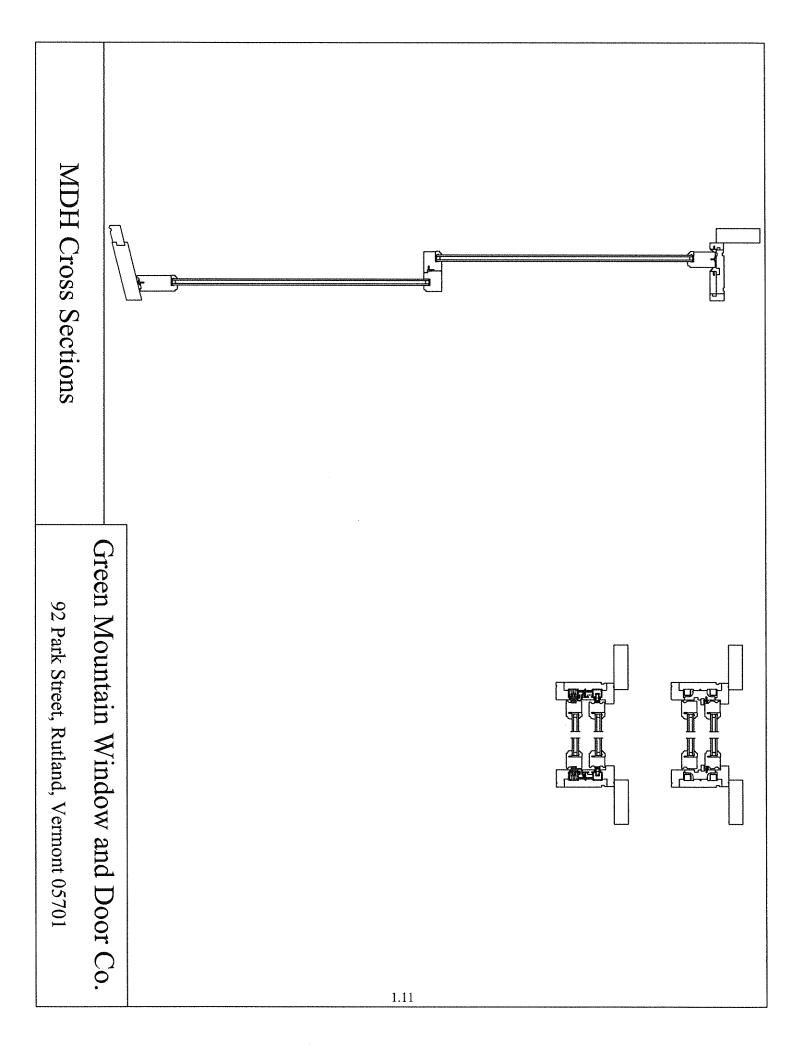
= South

Design Pressure Values are based on a 44" x 60" window (per the industry test standard). Unit #1 is based on our standard interior sill stop. Unit #2 has an optional 3/4" tall sill stop. Many installers apply a 3/4" tall stool cap in the place of our standard sill stop. Overall Design Pressure:

#### Unit #1 – DP 35 Unit #2 – DP 40

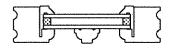
#### Specific Test Results for ANSI/AAMA/NWWDA/I.S.2:

beenne rest nesting for revolution with the with the second secon			
		Results:	Allowed:
Air Infiltration – ASTM E283		$.11 \text{ scfm/ft}^2$	$.30 \text{ scfm/ft}^2$
Water Resistance – ASTM E547 Unit #1 5.25 psf		Pass	No Leakage
Water Resistance – ASTM E547 Unit #2 6.00 psf		Pass	No Leakage
Uniform Structural Load – ASTM E330 Unit #1 22.5 psf	Pos	.020 in	.164 in
44	Neg	.012 in	.164 in
Uniform Structural Load – ASTM E330 Unit #2 60 psf	Pos	.065 in	.164 in
"	Neg	.0005 in	.164 in
Forced Entry Resistance – ASTM F588 Grade 10		Pass	No Entry
Operating Force – ASTM E2068		17 / 17 lb/f	30 lb/f
Deglazing – ASTM E987		0%	<100%

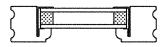




I.G., No Lites Wood Bead



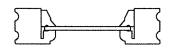
7/8" Grille



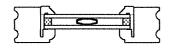
I.G., No Lites Vinyl Bead



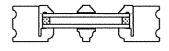
Flat Airspace



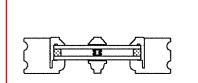
No Lites Single Glass



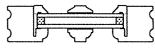
Profile Airspace



5/8" SDL



5/8" SDL with Spacer Bar



7/8" SDL

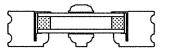




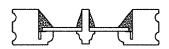
7/8" SDL with Spacer Bar



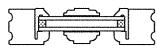
1 1/4" SDL with Spacer Bar



I.G., 7/8" SDL Vinyl Bead



5/8" TDL Single Glass Putty Glaze

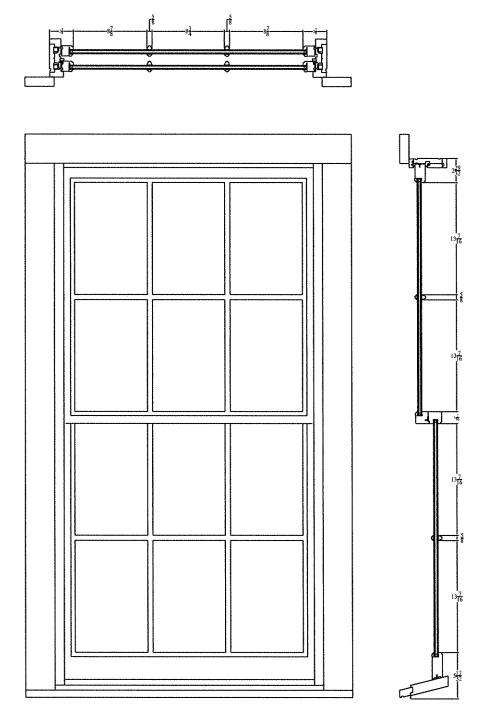


1 1/4" SDL

I.G., 7/8" SDL with Spacer Bar Vinyl Bead

5/8" TDL Single Glass Wood Bead

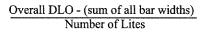
### Green Mountain Window and Door Co.



# MDH 2828

Note: the example above only applies to a 28 x 28 with 7/8" muntins in a 6/6 pattern.

For all other sizes and configurations: determine the overall daylight opening of each sash (without lites) with the formulas on 1.5. Then multiply the number of bars by the bar width and deduct that number from that overall daylight. Divide this number by the number of lites for daylight of each lite.



Glass Size Sash Opening 10" Frime Rough Opening 1' 19-1/4" * 19-1/4" * 10-1/4" MDH 1612	20 <sup>n</sup> 24 <sup>n</sup> 2 <sup>*</sup> 1-1/4 <sup>n</sup> 2 <sup>*</sup> 2-1/4 <sup>n</sup> MDH 2012	24* 38* 2*5-1/4* 2*6-1/4*	26° 30° 2' 7-1/4" 2' 8-1/4" MDH 2612	28" 33" 27"-1/4" 2' 10-1/4" MDH 2812	30" 34" 2" 11-1/4" 3" 0-1/4" MDH 3012	32" 36" 37 1-1/4" 37 2-1/4"	36" 49" 3' 5-1/4" 3' 6-1/4" MDH 3612	40° 44° 3° 0-1/4° 3° 10-1/4*
**************************************	MDH 2014	MDH 2414	MDH 2614	MDH 2814	MDH 3014	MDH 3214	MDH 3614	MDH 4014
	MDH 2016	MDH 2416	MDH 2616	MDH 2816	MDH 3016	MDH 3216	MDH 3616	MDH 4016
1018 HILL	MDH 2018	MDH 2418	MDH 2618	MDH 2818	MDH 3018	MDH 3218	MDH 3618	MDH 4018
100 100 100 100 100 100 100 100	MDH 2020	MDH 2420	MDH 2620	MDH 2820	MDH 3020	MDH 3220	MDH 3620	MDH 4020
*252 *05 MDH 1622	MDH 2022	MDH 2422	MDH 2622	MDH 2822	MDH 3022	MDH 3222	MDH 3622	MDH 4022
2017 1000 1000 1000 1000 1000 1000 1000	MDH 2024	MDH 2424	MDH 2624	MDH 2824	MDH 3024	MDH 3224	MDH 3624E	MDH 4024E
500 1-02-10 2005 MDH 1626	MDH 2026	MDH 2426	MDH 2626	MDH 2826	MDH 3026	MDH 3226E	MDH 3626E	МDH 4026Е
MDH 1628	MDH 2028	MDH 2428	MDH 2628	MDH 2828E	MDH 3028E	MDH 3228E	MDH 3628E	MDH 4028E
State State State State MDH 1610	MDH 2030	MDH 2430	MDH 2630	MDH 2830E	MDH 3030E	MDH 3230E	MDH 3630E	MDf14030É
MDII 1632	MDII 2002	MDI(2432	MDII 2632E	MDI12832E	MDH 1032E	MDI13232E	MDI/3632E	MSII 4032E
	MDH 2034	MDH 2434E	MDH 2G4E	MDH 2834E	MDH 3034E	MDH 3234E	MDH 3634E	MSH 40ME
80% 1745 1745 1745 1745 1745 1945 1945 1945 1945 1945 1945 1945 19	MDH 2036	MDH 2436E	MDH 2636E	MDH 2836E 1.16	MDH 3036E	MDH 3236E	MDH 3636E	MSH 4036E



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### Recommended Storm - HOL-OP, Operating Historic One Lite

#### **Operating Historic One Lite**

This operable unit provides a self-storing screen contained within the bottom sliding storm assembly unit. The top is fixed and the entire bottom unit is inside removable for cleaning purposes. It provides ease of ventilation without interchanging panels.



### Benefits | Optional Storm Window Features

### Benefits

**Condensation Reduction** – One of the most welcome benefits of storm windows is the reduction and perhaps elimination of condensation on the interior of the existing window. Any water or ice build up is certain to cause damage to walls, sills, and to the windows themselves

**Energy Savings** – Installing our exterior or interior storm windows over existing singleglazed windows will reduce your energy costs by approximately 50%. **Prime Window Protection** – Not only will adding our exterior storm window to your existing window protect it from the elements, but also preserve its appearance and reduce the formation of condensation.

**Sound Reduction** – Sound reduction is the major "unexpected" benefit after installation of our storm windows. Many people are surprised at the dramatic reduction in outside noise.

#### **Optional Storm Window Features**

Interior Storm Window Option	Our capabilities exceed what we can show you on our website. Please contact us to discuss solutions for your specific needs. <u>CONTACT US</u>
Special Shape Units	We have the expertise to accommodate windows of any shape for virtually all of our storm window models. Tempered glass is standard in all curve top, shaped units <u>MORE INFO</u>
Standard or Custom Colors	Allied Window does its own custom-color painting and can match virtually any color. <u>MORE INFO</u>
Low E	This is an energy-saving coating which reflects heat outside during the warm months & reflects it back inside during the colder months. The result is added efficiency to your air-conditioning and heating units. There is a slight tint to Low-E glass. The special pyrolytic coating on the glass can be cleaned carefully like regular glass. It reduces energy loss by about 20% when compared to clear glass.
Bowed Units	Our capabilities exceed what we can show you on our website. Please contact us to discuss solutions for your specific needs. <u>CONTACT US</u>
	Our screen frames are virtually indestructible as they are comprised of heavy solid-aluminum extrusions.

Screens/ Ventilation	Charcoal aluminum screen wire is our standard screen material; however, many requested options are available. (e.g. fiberglass, bronze, stainless steel, etc.) We'll accommodate any custom situation, interior or exterior, including build-out, wicket, and sliding screens. <u>MORE INFO</u>
Stained & Leaded Glass Windows Protection	Allied Window can increase the level of protection from the destructive forces of nature and the destructive forces of man - for the window itself, as well as the people and property inside the building. <u>MORE INFO</u>
Sound Reduction	Our capabilities exceed what we can show you on our website. Please contact us to discuss solutions for your specific needs. <u>CONTACT US</u>
UV Protection	Our capabilities exceed what we can show you on our website. Please contact us to discuss solutions for your specific needs. <u>CONTACT US</u>